# **Chemistry Report for Case # P-18-0070**

#### General

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Submitter: ArrowStar, LLC			
Contact: Jay Bartley	Contact Telephone No.: (706) 277-2981 Ext.		
TS No.: 642763			
Chemist: Drake, Bethany	Contractor Support: Y		
PV Init (kg/yr):	PV Max (kg/yr):		
Binding Option:	Exposure-Based Review: 🗹		
Manufacture: ☑	Import:		
CAS Number:			
Chemical Name			
Trade Name: ARROPOL 36			
IES Order			
Generic Name: Waste plastics, polyester, depolymd. with glycols, acids	, polymers with dicarboxylic		
Chemical Structure			
Physical Chemical Propertion	es		
Molecular Formula:	Molecular Weight:		
% < 500:	% < 1000		

MP: MP Estimate:

BP: BP Pressure:

**BP Estimate:**>400

VP (Torr): VP Estimate (Torr):<0.000001

Water Soluble Estimate (g/L): Water Soluble Estimate (g/L):1000

Log P: Log P Estimate:-1.20

Physical State — Neat:Liquid Physical State — Manuf:Liquid

Physical State — Processing:

material

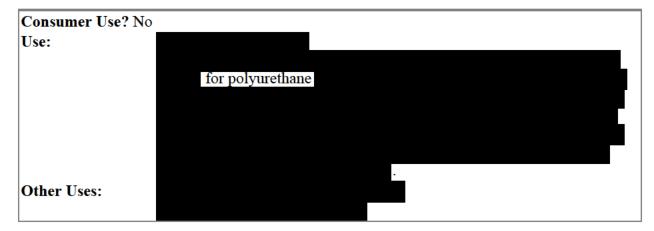
Physical State — End Use: Destroyed

#### Additional Chemical Info

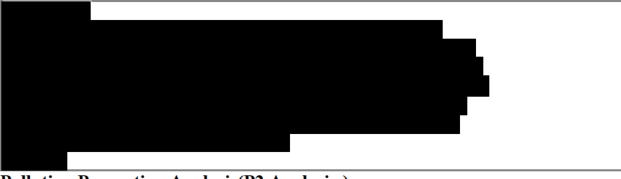
Submitted

Properties: BP > 230 °C (Sub. Est.); WS = Partially soluble; Flash Point > 125 °C (Sub. Est.); Density = 1.222 g/cc; Hydroxyl Number = 354.26 mg KOH/g; Acid Number = 0.84 mg KOH/g; Viscosity = 2200 cP; Number of OH Groups per Molecule = 2.11 (Sub. Est.). The MS and IR spectrum are included with the PMN submission. Estimated Properties: BP = 458 °C (EPI); VP = 4.5E-10 torr (EPI); WS = 1000 g/L (EPI); logP = -1.20 (EPI). The EPI estimations were performed for a component consisting of 1 equivalent each of

#### Uses



#### **Reaction Description**



## Pollution Prevention Analysis(P2 Analysis:)

None		
INOHe.		

#### Analogs

Analogs:	

## Comments/Telephone Log

Artifact	Update/Upload Time		